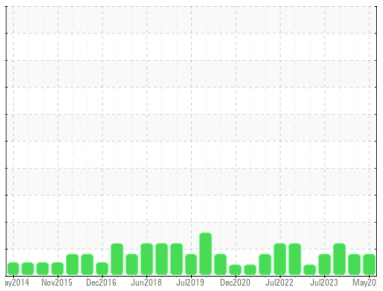
OIL ANALYSIS REPORT

Sample Rating Trend



ISO

Area
412
Machine Id
273 BANBURY MOTOR
Component
Outboard Journal Bearing
Fluid
ESSO NUTO H ISO 68 (1 QTS)

DIAGNOSIS

Recommendation
No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear
All component wear rates are normal.

Contamination
There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**WC0912082**	WC0838926	WC0838936
Sample Date		Client Info		**23 May 2024**	28 Mar 2024	10 Nov 2023
Machine Age	hrs	Client Info		**0**	0	6
Oil Age	hrs	Client Info		**0**	720	0
Oil Changed		Client Info		**N/A**	Changed	Changed
Sample Status				**ATTENTION**	ATTENTION	ABNORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>2	**NEG**	NEG	NEG

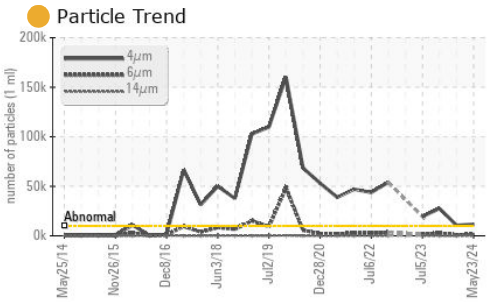
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		**18**	9	6
Iron	ppm	ASTM D5185m	>60	**0**	0	0
Chromium	ppm	ASTM D5185m	>20	**0**	<1	0
Nickel	ppm	ASTM D5185m	>20	**0**	0	0
Titanium	ppm	ASTM D5185m		**0**	<1	0
Silver	ppm	ASTM D5185m		**0**	0	0
Aluminum	ppm	ASTM D5185m	>4	**0**	2	<1
Lead	ppm	ASTM D5185m	>250	**0**	0	<1
Copper	ppm	ASTM D5185m	>125	**1**	<1	<1
Tin	ppm	ASTM D5185m	>80	**<1**	2	4
Vanadium	ppm	ASTM D5185m		**0**	0	0
Cadmium	ppm	ASTM D5185m		**0**	0	0

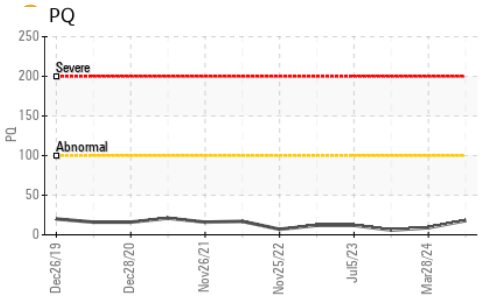
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	**0**	0	0
Barium	ppm	ASTM D5185m	0	**0**	0	6
Molybdenum	ppm	ASTM D5185m	0	**0**	<1	0
Manganese	ppm	ASTM D5185m		**0**	0	0
Magnesium	ppm	ASTM D5185m	5	**<1**	5	1
Calcium	ppm	ASTM D5185m	50	**52**	58	51
Phosphorus	ppm	ASTM D5185m	330	**334**	311	338
Zinc	ppm	ASTM D5185m	420	**427**	411	418
Sulfur	ppm	ASTM D5185m	3100	**3606**	5718	3217

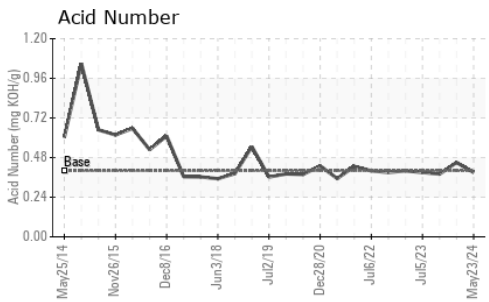
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	**2**	5	3
Sodium	ppm	ASTM D5185m		**1**	0	0
Potassium	ppm	ASTM D5185m	>20	**0**	<1	<1

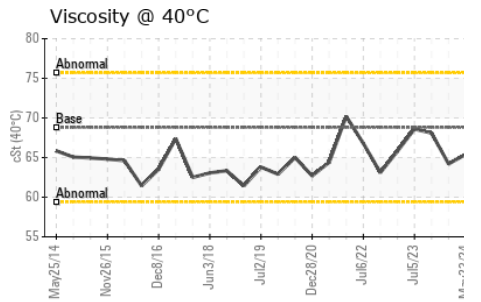
FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>10000	**11739**	10577	27554
Particles >6µm	ASTM D7647	>2500	**1386**	1004	2781
Particles >14µm	ASTM D7647	>160	**40**	24	102
Particles >21µm	ASTM D7647	>40	**10**	6	34
Particles >38µm	ASTM D7647	>10	**0**	0	3
Particles >71µm	ASTM D7647	>3	**0**	0	1
Oil Cleanliness	ISO 4406 (c)	>20/18/14	**21/18/12**	21/17/12	22/19/14

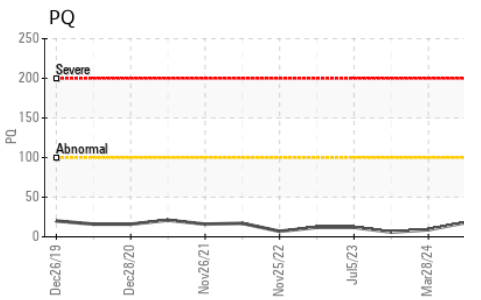
OIL ANALYSIS REPORT









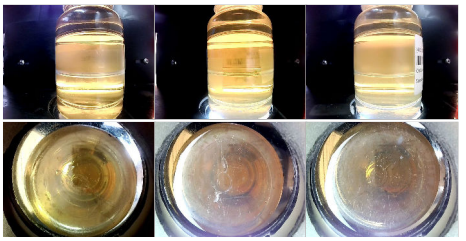


FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	.40	**0.39**	0.45	0.38

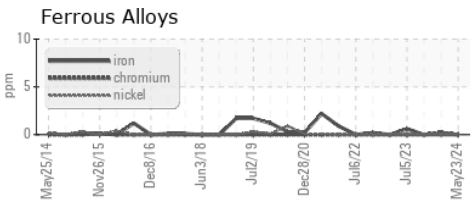
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Debris	scalar	*Visual	NONE	**NONE**	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Appearance	scalar	*Visual	NORML	**NORML**	NORML	NORML
Odor	scalar	*Visual	NORML	**NORML**	NORML	NORML
Emulsified Water	scalar	*Visual	>2	**NEG**	NEG	NEG
Free Water	scalar	*Visual		**NEG**	NEG	NEG

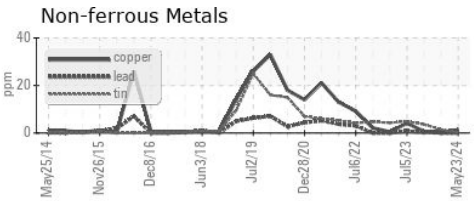
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	68.8	**65.4**	64.2	68.1

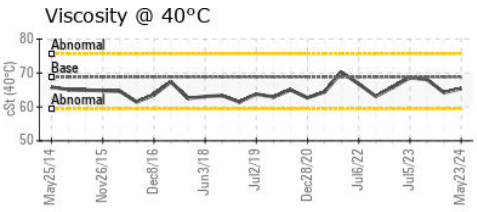
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

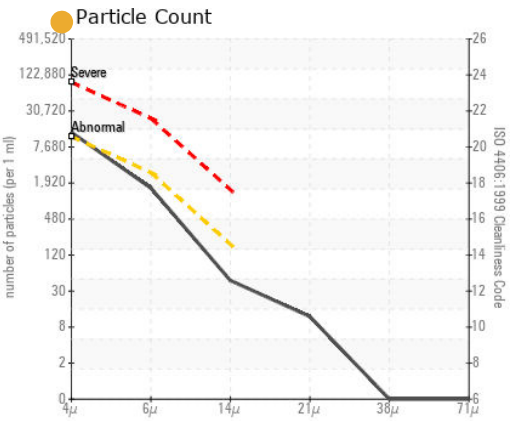


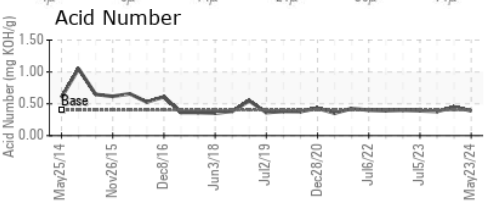
GRAPHS











Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0912082
Lab Number : 06196547
Unique Number : 11058670
Test Package : IND 2 (Additional Tests: PQ, PrtCount)

Received : 31 May 2024
Tested : 03 Jun 2024
Diagnosed : 03 Jun 2024 - Don Baldridge

Certificate L2367

To discuss this sample report, contact Customer Service at 1-800-237-1369.
** - Denotes test methods that are outside of the ISO 17025 scope of accreditation.*
Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

BRIDGESTONE FIRESTONE - DES MOINES
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DES MOINES, IA
US 50313
Contact: SCOTT CARTER
CarterScottA@FirestoneAg.com
T: x:
F: x:

Report Id: BRIDES [WUSCAR] 06196547 (Generated: 06/03/2024 14:30:45) Rev: 1
Contact/Location: SCOTT CARTER - BRIDES